**Introduction**

Road traffic accidents are one of the major causes of death globally. This problem is more severe in the countries where there is more traffic and population as well as lack of infrastructure.

Analysing factors like weather conditions, roadblocks, roadworks, traffic jams etc. can help in an accurate prediction of the severity of the accidents. The results of this analysis can allow law enforcement agencies on how to allocate their resources more effectively in preventing potential accidents. In addition, it can be used to communicate with new drivers so that they will drive more responsibly. Even it can help medical authorities to prepare in advance for the incidents if any.

Government bodies will be highly interested in accurate predictions of the severity of an accident, to be prepared to save more lives each year. Others interested may be manufacturers of road safety instruments or technologies.

**Business Problem**

In an effort to decrease the numbers of road accidents in a community, a model can be developed to predict the severity of an accident given the current weather, road and visibility conditions. Depending on the conditions, this model can alert the drivers to be more careful while driving.